

CLAIMS:

1. A user interface integration method executed by a processing apparatus connected to a client and a plurality of servers via a communication network, the method comprising steps of:

preparing user interface information including: server definition information defining the plurality of servers providing user interfaces constituting an integrated user interface provided to the client; and copy data information for assigning a function for copying common data between user interfaces constituting the integrated user interface; upon a request from the client, requesting for the user interface to each of the servers providing the user interfaces constituting the integrated interface, according to the integrated user interface information;

assigning the copy function to each of the user interfaces transferred from the respective servers, according to the integrated user interface information, thereby creating an integrated user interface integrating the user interfaces having the copy function; and

transmitting the integrated user interface to the client so as to display the integrated user interface to the client.

2. A user interface integration apparatus connected to a client and a plurality of servers via a

communication network, the apparatus comprising:

means for preparing user interface information including: server definition information defining the plurality of servers providing user interfaces constituting an integrated user interface provided to the client; and copy data information for assigning a function for copying common data between user interfaces constituting the integrated user interface;

means for, upon a request from the client, requesting for the user interface to each of the servers providing the user interfaces constituting the integrated interface, according to the integrated user interface information;

means for assigning the copy function to each of the user interfaces transferred from the respective servers, according to the integrated user interface information, thereby creating an integrated user interface integrating the user interfaces having the copy function; and

means for transmitting the integrated user interface to the client so as to display the integrated user interface to the client.

3. A computer program product storable on a computer readable storage medium, said program product containing a program for executing a user interface integration method performed by a processing apparatus connected to a client and a plurality of servers via a

communication network, the method comprising steps of:

preparing user interface information including: server definition information defining the plurality of servers providing user interfaces constituting an integrated user interface provided to the client; and copy data information for assigning a function for copying common data between user interfaces constituting the integrated user interface;

upon a request from the client, requesting for the user interface to each of the servers providing the user interfaces constituting the integrated interface, according to the integrated user interface information;

assigning the copy function to each of the user interfaces transferred from the respective servers, according to the integrated user interface information, thereby creating an integrated user interface integrating the user interfaces having the copy function; and

transmitting the integrated user interface to the client so as to display the integrated user interface to the client.

4. An integrated page creation method executed by a processing apparatus connected to a WWW browser and a plurality of application servers via a communication network, the method comprising steps of:
preparing an integrated page creation script describing a procedure for creating an integrated page

integrating a plurality of pages provided by the plurality of servers, into a single page;

upon request from the browser, requesting, according to the integrated page script, each of the servers providing pages constituting the integrated page, to provide the aforementioned page;

assigning a copy function to each of the pages transferred from the respective servers, according to information of the integrated page, and creating an integrated page which integrates the pages having copy function into a single page; and

transmitting the integrated page to the browser so as to display the integrated page on the browser.

5. The user interface integrating method as claimed in claim 1, wherein the client is a WWW browser; the plurality of servers are WWW application servers; user interfaces provided by the respective servers are pages provided by the WWW application servers; and the integrated user interface is an integrated page which integrates the aforementioned pages.

6. The user interface integration method as claimed in claim 5, wherein the processing apparatus, the WWW browser, and the servers are connected to one another via LAN (local area network) in an enterprise.

7. The user interface integration method as claimed in claim 1, wherein the copy data information

includes an "OUT" type indicating a common data of a user interface as a copy source and an "IN" type indicating a common data of a user interface as a copy destination.

8. The user interface integration method as claimed in claim 7, wherein the copy data information further includes an "IN/OUT" type indicating a common data of one user interface as a copy destination and, with respect to another user interface, the common data of said another user interface as a copy source when the common data is modified at said one user interface.

9. The user interface integration apparatus as claimed in claim 2, wherein the copy data information includes an "OUT" type indicating a common data of a user interface as a copy source and an "IN" type indicating a common data of a user interface as a copy destination.

10. The user interface integration apparatus as claimed in claim 9, wherein the copy data information further includes an "IN/OUT" type indicating a common data of one user interface as a copy destination and, with respect to another user interface, the common data of said another user interface as a copy source when the common data is modified at said one user interface.

11. A computer program product for an integrated page creation method executed by a processing apparatus connected to a WWW browser and a plurality of application servers via a communication network, the

method comprising steps of:

preparing an integrated page creation script describing a procedure for creating an integrated page integrating a plurality of pages provided by the plurality of servers, into a single page;

upon request from the browser, requesting, according to the integrated page script, each of the servers providing pages constituting the integrated page, to provide the aforementioned page;

assigning a copy function to each of the pages transferred from the respective servers, according to information of the integrated page, and creating an integrated page which integrates the pages having copy function into a single page; and

transmitting the integrated page to the browser so as to display the integrated page on the browser.